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OCT 18 2012 FORM OGC-3

STATE OF MISSOURI
GEOLOGICAL SURVEY PROGRAM

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

Mo Oil & Gas Council

☒ APPLICATION TO DRILL ☐ DEEPEN ☐ PLUG BACK ☒ FOR AN OIL WELL ☐ OR GAS WELL

NAME OF COMPANY OR OPERATOR
Kansas Resource Exploration and Development, LLC

DATE
10/10/2012

ADDRESS
9393 West 110th St., Suite 500

CITY
Overland Park

STATE
KS

ZIP CODE
66210

DESCRIPTION OF WELL AND LEASE

NAME OF LEASE
Clark-Berry

WELL NUMBER
CB-11

ELEVATION (GROUND)
1041'

WELL LOCATION
2235 ft. from ☐ North ☒ South section line 564 ft. from ☒ East ☐ West section line

WELL LOCATION
Sec. 16 Township 46 North Range 33 ☐ East ☒ West

LATITUDE
N38 48' 28.68"

LONGITUDE
W94 34' 9.48"

COUNTY
Cass

NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE 554 FEET

DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING, COMPLETED OR APPLIED - FOR WELL ON THE SAME LEASE 350 FEET

PROPOSED DEPTH
700' elev. 341'

DRILLING CONTRACTOR, NAME AND ADDRESS
Utah Oil, LLC

ROTARY OR CABLE TOOLS
Rotary

APPROX. DATE WORK WILL START
11/01/2012

NUMBER OF ACRES IN LEASE
370

NUMBER OF WELLS ON LEASE INCLUDING THIS WELL, COMPLETED IN OR DRILLING TO THIS RESERVOIR 7

NUMBER OF ABANDONED WELLS ON LEASE 0

IF LEASE PURCHASED WITH ONE OR MORE WELLS DRILLED, FROM WHOM PURCHASED?

NO. OF WELLS PRODUCING 4

NAME DE Exploration

INJECTION 2

ADDRESS 4595 Highway K33, Wellsville, KS 66092

INACTIVE 0

ABANDONED 0

STATUS OF BOND

☐ SINGLE WELL
AMOUNT \$

☒ BLANKET BOND
AMOUNT \$ 160,000

☒ ON FILE
☐ ATTACHED

REMARKS: (IF THIS IS AN APPLICATION TO DEEPEN OR PLUG BACK, BRIEFLY DESCRIBE WORK TO BE DONE, GIVING PRESENT PRODUCING/INJECTION ZONE AND EXPECTED NEW INJECTION ZONE; USE BACK OF FORM IF NEEDED)

PROPOSED CASING PROGRAM

APPROVED CASING - TO BE FILLED IN BY STATE GEOLOGIST

AMOUNT	SIZE	WT/FT	CEMENT	AMOUNT	SIZE	WT/FT	CEMENT
20'	8 5/8"	20	8 sks	20'	8 5/8"	20	Full length
700'	4 1/2"	11.6	125 sks	700'	4 1/2"	11.6	

I, the Undersigned, state that I am the C.O.O. of the K.R.E.D. (Company), and that I am authorized by said company to make this report, and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct, and complete to the best of my knowledge.

SIGNATURE

DATE

PERMIT NUMBER

APPROVED DATE

APPROVED BY

☒ DRILLER'S LOG REQUIRED

☒ E-LOGS REQUIRED IF RUN

☒ CORE ANALYSIS REQUIRED IF RUN

☒ DRILL SYSTEM TEST INFO REQUIRED IF RUN

☐ SAMPLES REQUIRED

☒ SAMPLES NOT REQUIRED

☐ WATER SAMPLES REQUIRED AT

NOTE

THIS PERMIT NOT TRANSFERABLE TO ANY OTHER PERSON OR TO ANY OTHER LOCATION.

APPROVAL OF THIS PERMIT BY THE OIL AND GAS COUNCIL DOES NOT CONSTITUTE ENDORSEMENT OF THE GEOLOGIC MERITS OF THE PROPOSED WELL NOR ENDORSEMENT OF THE QUALIFICATIONS OF THE PERMITTEE

I, B. Leech of the Utah Oil (Company), confirm that an approved drilling permit has been obtained by the owner of this well. Council approval of this permit will be shown on this form by presence of a permit number and signature of authorized council representative.

DRILLER'S SIGNATURE

DATE

MO 780-0211 (3-11)

REMIT ONE (1) COPY TO: GEOLOGICAL SURVEY PROGRAM, PO BOX 250, ROLLA, MO 65402 573-368-2143.



STATE OF MISSOURI
MISSOURI DEPARTMENT OF NATURAL RESOURCES
GEOLOGICAL SURVEY PROGRAM
WELL LOCATION PLAT

FORM OGC-4

OWNER'S NAME
Kansas Resource Exploration & Development

LEASE NAME
Clark-Berry CB-11

COUNTY
Cass

WELL LOCATION (GIVE FOOTAGE FROM SECTION LINES)
2235 ft. from ☐ North ☒ South from section line 564 ft. from ☒ East ☐ West from section line

WELL LOCATION
Sec. 16 Township 46 North Range 33 ☐ East ☒ West

LATITUDE N38° 48' 28.68" ✓ LONGITUDE W94° 34' 9.48" ✓



REMARKS
Section 16 is larger than 1 square mile. One square equals 682.25 feet, which accounts for the larger dimensions of this section.

INSTRUCTIONS

On the above plat, show distance of the proposed well from the two nearest section lines, the nearest lease line, and from the nearest well on the same lease completed in or drilling to the same reservoir. Do not confuse survey lines with lease lines. See rule 10 CSR 50-2.030 for survey requirements. Lease lines must be marked.

This is to certify that I have executed a survey to accurately locate oil and gas wells in accordance with 10 CSR 50-2.030 and that the results are correctly shown on the above plat.

REMIT TWO (2) COPIES TO:
GEOLOGICAL SURVEY PROGRAM
PO BOX 250, ROLLA, MO 65402-0250 (573) 368-2143
ONE (1) COPY WILL BE RETURNED

REGISTERED LAND SURVEYOR

NUMBER



Missouri Department of Natural Resources

Geographic Information Systems

Check Location

Select a coordinate format, enter a pair of coordinates in the boxes below it, and then press the SUBMIT button. Please be patient while your information is retrieved. Your coordinates will be converted to the other formats, the information on the right-hand side of the page will be filled in based on your coordinates, and a map will be generated. NOTE: All coordinates must use the North American Datum of 1983 (NAD83).

☐ Universal Transverse Mercator
[Zone 15 North]

Easting

363741.3164387889 meters

Northing

4296636.413183008 meters

☐ Decimal Degrees

Latitude

38.807966666666665 °

Longitude

-94.5693 °

☒ Degrees, Minutes and Seconds

Latitude Degrees

38 °

Latitude Minutes

48 '

Latitude Seconds

28.68 "

Longitude Degrees

-94 °

Longitude Minutes

34 '

Longitude Seconds

9.48 "

UTM Zone 15N [Easting, Northing] [363741.3, 4296636.4] meters

Decimal Degrees [Lat, Lon] [38.807966°, -94.5693°]

Deg, Min, Sec [Lat, Lon] [38° 48' 28.6", -94° 34' 9.4"]

County Name Cass

County FIPS Code 037

Legal Description Section 16 T46N R33W

Municipality NO VALUE

House District 123

Senate District 31

Congressional District 5

MoDNR Region Kansas City Regional Office

USGS 1:24,000 Quadrangle Belton [38094-G5]

8 Digit Watershed 10290108 [South Grand]

10 Digit Watershed 1029010801 [Headwaters South Grand River]

12 Digit Watershed 102901080101 [East Creek]

Special Well Drilling Area Area 2

Ecological Drainage Unit Central Plains/Osage/South Grand

Level III Ecoregion Central Irregular Plains

Query Time 6.922 s

Rows with red text indicate that the input location is too close to a boundary to produce reliable results.

NOTE: A result of 'NO VALUE' is usually an indication that no data was found for the location. For example, not every point in Missouri will lie within a municipal boundary, so some will result in a 'NO VALUE'. If 'County Name' results in 'NO VALUE', your point probably lies outside the state.

Well ID: #005390

Elev. 1069'

$\frac{IP}{M}$: 229' elev. $IP_e - M$: 345'

Well ID: #026255

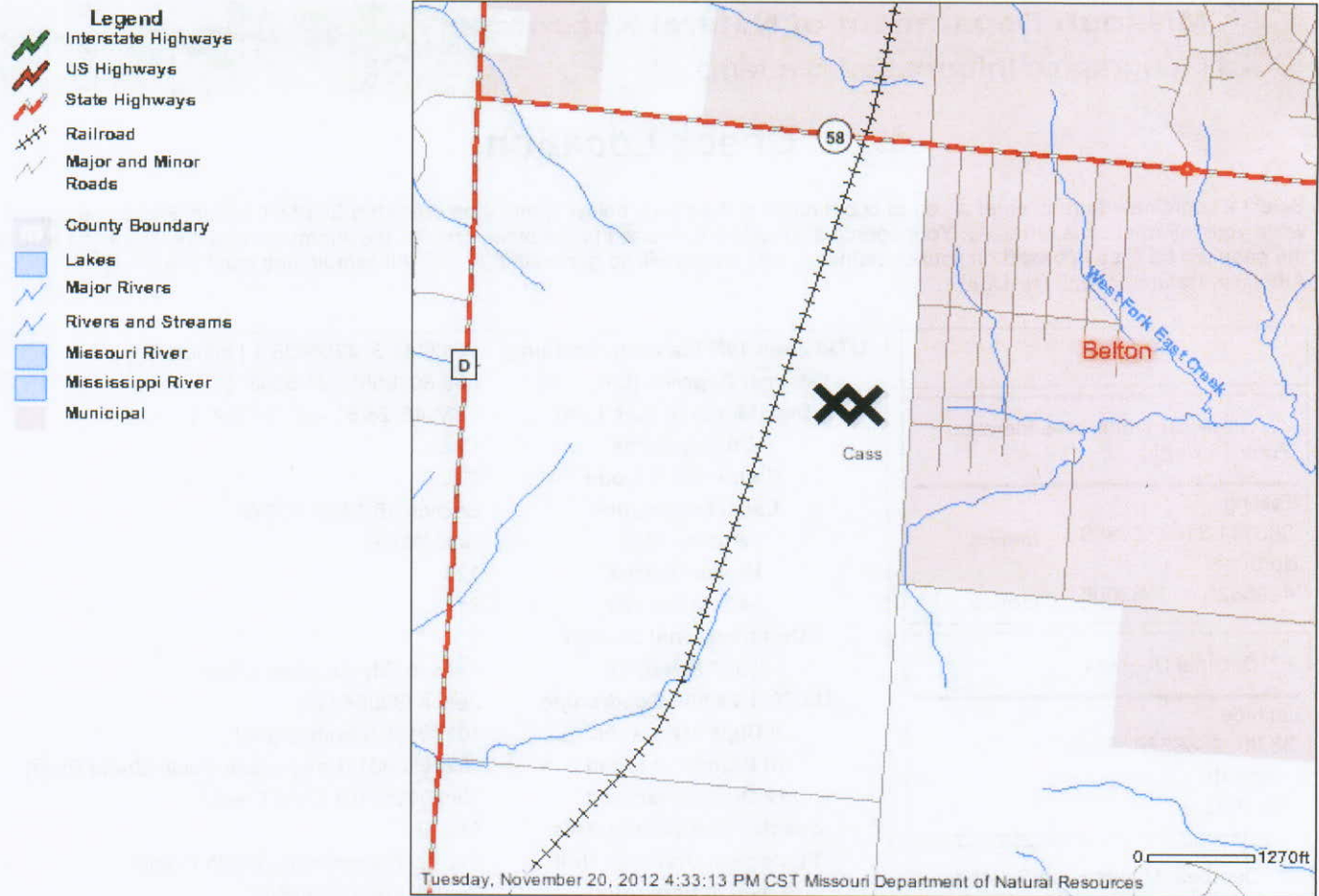
IP_e : 535' TD

1041-535-345

$\Rightarrow \frac{IP}{M} \sim 161' \text{ elev.}$

Metadata

- Interstate Highways
- US Highways
- State Highways
- Railroad
- Major and Minor Roads
- County Boundary
- Lakes
- Major Rivers
- Rivers and Streams
- Missouri River
- Mississippi River
- Municipal



View Scale 1:24,000

DISCLAIMER: Although this map has been compiled by the Missouri Department of Natural Resources, no warranty, expressed or implied, is made by the department as to the data and related materials. The act of distribution shall not constitute any such warranty, and no responsibility is assumed by the department in the use of these data or related materials.



Missouri
Department of
Natural Resources

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